Mobile Computer MC 9090ex-K for ATEX Zone 1

BARTEC

Mobile Computer MC 9090ex-K

with 1D-Standard Range Scan Engine

Features

- International approvals for global usability
- WLAN radio standard IEEE 802.11 a/b/g
- Easy battery changing in the Ex area
- Expanded storage capacity with replaceable SD card
- Various versions of replaceable keyboards
- Compatibility with MC9090 from Motorola
- Service contracts

Description

The MC 9090ex-K Mobile Computer is a robust device for reliable barcode scanning in hazardous (potentially explosive) areas.

The scan trigger is positioned in such a way that barcodes can be captured very conveniently. The integrated radio module enables real time data access to your host system.

The MC 9090ex-K combines the strength of Microsoft's Pocket PC platform with the power of the Intel® XScale™ PXA270 processor with 624 MHz.

A further highlight is the large easy-to-read 1/4 VGA color display with touchscreen technology. The MC 9090ex-K is working with the IEEE 802.11a/b/g radio standard (direct sequence).

Market	Applications	Users
Automobile industry (suppliers of paintwork, for paint shops, etc.) **Food and beverages** (suppliers of aromatic substances, etc.) **Petrochemicals** (from production through further processing to delivery) **Pharmaceuticals** (suppliers of individual components required for production e.g. medication)	Material flow monitoring Production control Supplier chain management Incoming/outgoing goods, inventory management Safety tests Spare parts tracking Maintenance/repair work Workshop communication Conformity assessment	**Dispatch, receiving and stock management departments** Personnel who have received instruction on the handling of potentially explosive substances. **Maintenance and repair** Personnel who have received instruction for deployment in potentially explosive areas. **Production area** Personnel who have received instruction on the handling of potentially explosive substances.

Explosion protection

ATEX **Ex protection type**
Ⓔx II 2G Ex q [ib] IIC T4

Certification
PTB 05 ATEX 2055

For further details see EC Type Certification.

IECEx **Ex protection type**
Ex q [ib] IIC T4

Certification
IECEx PTB 08.0012

For further details see IECEx Certificate of Conformity.

Other variants are available for:

- Brazil, Japan, Canada, Russia, South Africa and USA
- Mining EU

Technische Daten

Keyboard version
28, 33, 43 and 53 keys

Display
3.8", 1/4 VGA colour display
with touchscreen 240 x 320 pixels

Barcode options
SE 950: 1D-Standard Range Scan Engine
Reading range: 10 cm to 12 m

Dimensions (height x width x depth)
231 mm x 91 mm x 59 mm
9.1 inch x 3.6 inch x 2.3 inch

Weight
approx. 980 g
approx. 31 oz

Ambient temperature
-20 °C to +40 °C
-4 °F to +104 °F

Storage temperature
-40 °C to +70 °C
-40 °F to +158 °F

Charging temperature
0 °C to +40 °C
+32 °F to +104 °F

Humidity
5 % to 95 % (non-condensing)

Protection class (EN 60529)
IP 54

Processor
Intel® XScale™ PXA270 prozessor/624 MHz

Memory
128/128 MB RAM/ROM
with the option of expansion with SD card:
512 MB, 1 GB or 2 GB

Operating system
Windows Mobile 2005

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Power supply
Li-ion battery 17-A1Z0-0001
with 7.4 V/2200 mAh
Battery can be changed in the Ex area!

Backup battery
Ni-MH battery (rechargeable)
3.6 V/15 mAh

Interfaces
- RS232
- USB

Application development
SDK available from the Symbol Developer Central Website

Audio System
Integrated microphone and loudspeake

The MC 9090ex-K Mobile Computer with the 1D-Standard Range Scan Engine recognises the following 1D barcodes:

Code 11	Interleaved 2 of 5
Code 39	MSI
Code 93	UPCA
Code 128	UPCE
Codabar	UPC/EAN supplementals
Coupon Code	Trioptic 39
Chinese 2 of 5	RSS-14
Discrete 2 of 5	RSS Expanded
EAN-8	RSS Limited
EAN-13	Webcode

Wireless data communication (WLAN)

Radio standard
IEEE 802.11a/b/g

Data rate/frequency range
IEEE802.11a: up to 54 Mbit/s - 5 GHz
IEEE802.11b: up to 11 Mbit/s - 2.4 GHz
IEEE802.11g: up to 54 Mbit/s - 2.4 GHz

Output power
100 mW (Germany and International)

Antenna
Integrated in the device

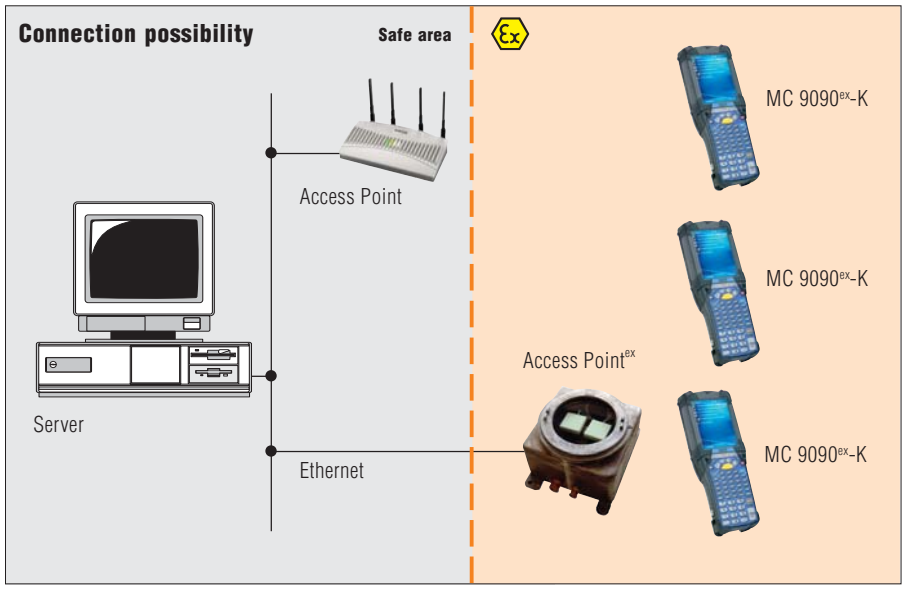
Note
The respective radio frequencies and usable channels depend on the country-specific regulations.

Bluetooth (WPAN)

Bluetooth version 1.2 with BT Explorer (including manager)

Max. data rate
1 Mbit/s

Antenna
Integrated in the device



Selection chart

Version	Code no.	SD memory card	Code no.
28 keys, numeric	A	without SD card	00
33 keys, numeric	L		
43 keys, alphanumeric	F	SD card with 512 MB	01
53 keys, alphanumeric	E		
53 keys with layout for VT emulation	G	SD card with 1 GB	02
53 keys with layout for 3270 emulation	H	SD card with 2 GB	03
53 keys with layout for 5250 emulation	J		

Complete order no. 17-A119-0KA0/HC ☐ FA6 ☐☐

MC 9090ex-K Mobile Computer
with 1D-Standard Range Scan Engine
including Li-ion battery (1 piece)

Please insert correct code. Technical data subject to change without notice.
Note: All variants without accessories.
You will find the accessories with order details on the accessories pages.

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